Metal Finishing Index to Volume 83 January — December, 1985

In this index, all material that appeared in the January thru December 1985 issues of Metal Finishing is listed according to subject matter, with cross-references where required. A

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letter will be found following each listing indicating the manner in which the material was published, as follows: (S)— Shop Problems, (R)—Recent development, (M)—Manufacturers' Literature,

(B)—Book, (P)—Patent. References not followed by a letter were feature articles. The right-hand column refers to the month and page; Oct/85—October issue, page 85.

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Week Regulation Asserbation (Fig. 19.00)	Aultilayer Circuit Board (P) May/8	Membrane Cartridges (M)	Jun/164	Hat-Dip Coating (P)	Mar/88
an Abaltingve Printed Crosul May 141 Cal Concert (M) Auth 165 Cal Road (M) Auth 165 Auth	Quantitative Process Control (R) May/9	Water Regulation Assembly (R)	Jul/88	Characteristics of Hot Galvanized, Metaliza	ed,
	lexible Circuit Board (P) May/10	Flitration Unit (M)	Jul/89	and Bare Edged—Galvanized	
2 George (M	he Multilayer Printed Circuit	Industrial Filtration (M)	Jul/91	Sheet Products	May/6
Reduction Products (Mo.	Board Handbook (B) May/11			Hot Columbia (9)	Jun/110
The control of the	CB Production Products (M)	Plating on Corporate (7)	Aug/04	Hot Dioping (8)	Jun/122
The control of the	C Production Chemicals (M)	# Electrical Contact Material (M)	Aug/91	Hot Dip Caluarities (B)	Jul/72
The control of the	rinfed Circuit Processing (P)	Fillers and Accessories (M)	Aug/400	Hot Dip Galvanizing (P)	hul/40
election Ending Chemiscolis (M)	poxy Resin Coating (P)Jul/7	6 Filter Presses (M)	Aug/101	Hot Dipoing (P)	Aug/8
	Rectronic Plating Chemicals (M)Jul/9	Riter Cloth Medig (M)	Aug/101	Hot Dipping (P)	Sep/120
	rinted Circuit Boards (P)Jul/9	P Altration Chart (M)	Aug/102	Hot Dip Galvanizing (P)	Oct/76
	hrough-Hole Plating (P)	5 Sealless Transfer Pump (M)	Aug/102		
Intelled Circuit Board (P) Sept 185	rinted Wiring Boards (P) Aug/7	B Transfer Pumps (M)	Aug/102		
Seption	Rectrical Contact Material (M) Aug/9	Blowers for Low-Pressure Air Supply	Sep/15		
International Control (P)	Printed Circuit Boards (P)	6 Pump Basics for Finishers	Sep/31	Ultra High Strength Steets (S)	Nov/8
Controloge Relief (P)	iputtered Circuit Board (P)	6 Ritter Cartridge (P)	Sep/86		
Replaceable Seave-Rife Controloge (0) Sep100 Immention Copper Roffling (3) Jun'41 Immention Roffling (3) Jun'41 Immention Roffling (3) Jun'41	Tame-Retarded Larninate (P) Sep/8	6 Filter Element Cleaner (R)	Sap/105	IMMERSION PLATING	
Seption Sept	Viulti-Layer Board (P)Sep/8	Cartridge Filter (R)	, Sep/107	immersion Gold Plating (P)	Feb/10
Interview Circuit Boords (P)	Circuit Board Laminate (P)	Hepiaceable Sieeve Hiter Carmages (R)	Sep/108	Immersion Copper Hating (s)	Jun/110
DictionCoucus Extent Filter (19) Sept (14) Sept			Sep/140	INHIBITORS	
2	Authlouar Clouit Substrate (P) San/S	A Digtomaceous Forth Filler (D)	Sep/110		
Beach Patient Formation (P)	C Roard Turnover/Droplect Stacker (P) Sep/10	6 Corresive Liquids Handling (M)	Sep/443	by Means of Chemical Inhibitors	Jan/3
Tefen Pumps (M)	Aetal Pattern Formation (P) Sep/12	7 RO and Ultrafiltration (M)	Sep/115	Corrosion Preventive (P)	Feb/14
Self-Clanning Filter (P) Sept 127 Control (P) Movifue Common (P) Sept 127 Self-Clanning (P) Sept 127 Sept 127 Self-Clanning (P) Sept 127 S	landbook of Printed Circuit	Teflon Pumos (M)	Sep/116	Corrosion Inhibitor (P)	May/8
Self-Clanning Filter (P) Sept 127 Control (P) Movifue Common (P) Sept 127 Self-Clanning (P) Sept 127 Sept 127 Self-Clanning (P) Sept 127 S	Manufacturing (B)Sep/13	Industrial Water Purification (M)	Sep/117	Corrosion inhibitor (P)	May/8
Incul Proof Connection (P)	Authlayer Board (P)Oct/7	2 Self-Cleaning Filter (P)	Sep/127	Rust Inhibitor (P)	May/8
Incul Proof Connection (P)	follow Multilayer Circuit (P) Oct/	2 Carbon Treatment (S)	Oct/70	Correction Inhibitor (D)	half4O
Include Control Proposition Control Prop	Circuit Pad Connections (P) Oct/	4 Kynar Pumps (R)	Oct/80	Rust Preventive (P)	Aug/7
Include Control Proposition Control Prop	rinted Circuit Boards (P)Oct/	6 Water Purification Cartridges (R)	Oct/88	Corrosion Inhibiting Coating (P)	Aug/7
Include Control Proposition Control Prop	Column done Culffele Departs (D)	Compelies I levilet Elthodion (A.6)	Oct/89	Rust Inhibitor (R)	Aug/8
Include Control Proposition Control Prop	rinted Circuit Board (P) Oct/7	Filter Media (M)	Oct/95	Inhibitor Composition (P)	Oct/8
Include Control Proposition Control Prop	circuit Board Inspection (P) Nov/	Nonmetallic Pumps (M)	Oct/95	Corrosion inhibitor (P)	Oct/10
Include Control Proposition Control Prop	viumayer Coating (P)	Hushable Metering Pump (P)	Nov/92	Corrosion inhibitor (P)	Nov/9
	arcuit Board Inspection (P)	Filter Chember (F)	Nov/96		
	Real Oxide Line (M)	7 Contributed Purps (7)	Nov/100	Precious Metais Recovery (R)	Jan/8
Commission Com	lack Oxide Line (M)	Ceniniugai Pump (R)	NOV/1U4	Water Deionization (M)	Jan/40
Continuing Births (S)		Chemical Solution Feeders (M)	Nov/110	Ion Exchange Membrane (P)	Jun/17
Continuing Births (S)	LECTROPOLISHING	Primes and Process Equipment (M)	Nov/120	Ion Exchange Membrane (P)	Jul/7:
Continuing Births (S)	Comparing & Antonio from Cloreto		Nov/424	Mixed Bed Ion Exchange (P)	Aug/8
Corrosion Resistant Pumps (R)	polishing Baths (S) Feb/10	4 Centrifucial Pump (P)	Dec/78	Ion Exchange (P)	Sep/9
Process Pumps (M)	Hectropolishing system (P) recrit	O 1 Corrosion Besistant Primms (D)	Dec/84	Chromate ion Removal (P)	Sep/9
Centringol Furnes (M) Dec/90	Hectropolishing Stainless Steel (S) Mar/l	4 Process Pumps (M)	Dec/88	Regeneration of Membranes (P)	Oct/7
Common Combine Combi	Electropolishing Bath Control (S) May/	Centrifugal Pumps (M)	Dec/89	Ion Exchange Process (P)	Oct/7
Common C	Electropolishing Carbon Steel (S) Sep/	2 Eliters/Prumps/Accessories (M)	Dec/90	Deionization Services (M)	Oct/9
Pressure Cleaning Equipment (P)	Electropolishing Carbides (S) Sep/	2		A S S S S S S S S S S S S S S S S S S S	
TERES, PUMPS & MIXTERS Journ Little Chambers R Journ Little Chambers Little					NAme/AC
Item Chambers (R)	PLITEDS PUMPS & MIXEDS	Fiberglass Grating (R)	Jan/91	Air Wosher Treatment (D)	Mar/40
Practice Pare Par	Filter Chambers (R)	FRP Grating (M)	Feb/131	Penair Coafina (P)	Man/40
April Static Grating (R) Jun/192 Jun/192 Jun/192 Jun/192 Statir Tread Panels (R) Jun/192 Jun/193 Jun/192 Jun/193 Jun/193 Jun/193 Jun/193 Jun/193 Jun/193 J	forizontal Pumps (M)	4 FRP Panel (R)	Mcs/92	Barrel Covers (D)	May/10
April Static Grating (R) Jun/192 Jun/192 Jun/192 Jun/192 Statir Tread Panels (R) Jun/192 Jun/193 Jun/192 Jun/193 Jun/193 Jun/193 Jun/193 Jun/193 Jun/193 J	Solids/Liquid Separation (M) Jan/10	Flooring Systems (M)	Apr/116	Water Wash Compound (P)	lun/42
Specification (R) Fabi+14 tognale Drive Pumps (R) Fabi+14 tognale Pumps (R)	lauld Separation (M)	Anti-Static Grating (R)	Jun/124	Tank Cleaning Units (R).	Jul/8
Aug/100 Aug/10	nerlia Pumps (M)Jan/10		Jun/162	Monorall Brushes and Chain Cleaners (M)	Sep/11
Cognetic Drive Pumps (R)	Copper Filtration (R) Feb/1		A(400	Paint Overspray Control (M)	Sep/11
Petrol P	Vagnetic Drive Pumps (R) Feb/ f	6 Clevible Ducking (IV)	Aug/100	Plant Maintenance (M)	Oct/8
Journelling (R) Feb/14 (Peb/132) Itler Cartridges (M) Feb/132 Itler Cartridges (M) Feb/132 Itler Cartridges (M) Feb/132 Itler Cartridges (M) Feb/132 Imps and Filters (N) Feb/132 Imps and Fil	Centrifugal Pumps (R)	CDD Credie (D)	38p/110	Conveyor Chain Restoration (R)	Nov/10
Journal Tear Review (W) Feb/132 Feb/132 Feb/132 Foportioning Pump (R) Mart/104 Ludge Filter Trank (R) Mart/105 Ludge Filter Trank (R) Mart/104 Ludge Filter Trank (R) Mart/105 Ludge Filter Trank (R) Mart/105 Ludge Filter Trank (R) Mart/105 Gas Piding (P) Apri/86 Gas Piding (P) Mart/105 Gas Piding (P) Juli/16 Gas Piding (P) Juli/16 Juli/16	lag Fillers (R) Feb/1		Nov/444		
Itlar Cartridges (M) Feb/132 mitropartioning Pump (R) Feb/132 mitropartioning Pump (R) Mar/92 litrosonic Level Measurement (M) Aug/102 mitroe Removal Equipment (R) Mar/103 mitroe Removal Equipment (R) Mar/104 udge Filter (Tank (R) Mar/105 mitrofit partition (R) Apr/105 gas Plating (P) Apr/102 caking Material for Confacting Towers (P) Apr/102 cartridge Ritters (R) Apr/102 cartridge Ritters (R) Apr/103 mar/104 liter fires (R) Apr/104 more removal Equipment (R) Apr/105 gas Plating (P) Apr/106 gas Plating (P) Apr/107 gas Plating (P) Apr/107 gas Plating (P) Apr/107 gas Plating (P) Apr/108 gas Plating (P)	ubular Filters (M) Feb/1:	4 Graing min Angre (it)	1404/114		
Liquid Level Confrol (M)	ilter Equipment (M) Feb/1	2 COMPARTED & LICHID LEVEL ASSAURTMENT		Pressure Sensitive Tapes (M)	Feb/13
Liquid Level Confrol (M)	ilter Cartridges (M) Feb/1	6		High Resolution Resist (P)	Mar/9
Liquid Level Confrol (M)	umps and Filters (M) Feb/1		Aug/402	Point Masking (P)	Apr/9
unice Removal Equipment (R) Mari 104 udge Filter Tank (R) Mari 105 larging System (P) April 86 Gas Plating (P) Mari 88 April 90 Gas	roportioning rump (R)		Oct/93	apuliering Mask (P)	
Ludge Filter Tank (R) Mar/105 Identific Tank (R) Apr/88 ocking Material for Contacting Towers (P) Apr/88 tembroane Hitrotion (R) Apr/84 tembroane Hitrotion (R) Apr/84 ilter fress Contacting Towers (P) Apr/88 orizontal Leaf Filter System Apr/85 liter Pass Contacting Material for Pass (P) Apr/88 liter fress (P) May/82 liter fress (P) May/82 liter fress (P) May/82 liter fress (P) May/84 liter fress frames (R) May/84 liter fress (P) May/84 liter fress frames (R) May/84 liter fress frames (R) May/84 liter fress fr	roponioning rump (k)			having and Desirts (F.C.	NICIY/8
illering System (P) April88 acking Material for Contacting Towers (P) April88 day 102 day 102 day 103 day 104 day 104 day 105	rumice removal Equipment (R) Mar/10	GAS PLATING		Classif Regard Protection (7)	May/10
Cas Picting (P) Apri/90 lognetic Coupled Pump (R) Apri/90 Apri	suage rifler (ank (k)	O DI 100	Mar/88	Adapting For Hot Cathonising (III)	Jul//
Gas Picting (P) Jun/146		Gas Plating (P)	Apr/90	Strippople Contings (M)	Jul/0
HEATING & COOLING Iteraflication (R)	Packing Material for Contacting Towers (P)			Masking Circuit Boards (P)	h:W40
HEATING & COOLING Iteraflication (R)	acking Material for Contacting Towers (P) Apr/	Gas Plating (P)	Jun/116		
Manifedia Coolines Manifedia Coolines Manifedia Coolines Manifedia Coolines Manifedia Collines Manifed	tacking Material for Contacting Towers (P) Apr/10 Agnetic Coupled Pump (R) Apr/10 Cortridge Filters (R) Apr/10	Gas Plating (P)	Jun/116	Plating Resists and Masks (R)	Aug/8
Intraction Systems (M) April 15 Immersion Headres (R) Jannivo Prociocalat Lacif Filter System April 15 Immersion Headres (M) Jannivo Jannivo Headres (M) Jannivo Janni	Packing Material for Contacting Towers (P) April Augnetic Coupled Pump (R) April 1 Contridae Filters (R) April 1	Gas Plating (P)	Jun/116	Plating Resists and Masks (R)	Aug/8
Intraction Systems (M) April 15 Immersion Headres (R) Jannivo Prociocalat Lacif Filter System April 15 Immersion Headres (M) Jannivo Jannivo Headres (M) Jannivo Janni	Packing Material for Contacting Towers (P) Aprill Augnetic Coupled Pump (R) Aprill Cartridge Filters (R) Aprill Alembrane Filtration (R) Aprill	Gas Plating (P) Low Pressure Deposition (P) HEATING & COOLING	Jun/116	Plating Resists and Masks (R)	Aug/8
crizontal Leaf Filter System April 45 Immersion Headers (M) Join/101 Immersion Headers (M) Join/101 Immersion Headers (M) Headers Colf Resolution (R) Headers (R)	Cacking Material for Contacting Towers (P)	Gas Plating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R)	Jun/116 Jul/76	Plating Resists and Masks (R)	Aug/8
Ilter Pess Cloth Arrangement (P) May/82 Immersion Header Shul-Off (R) Feb/142 Headers for Hazardolau Locations (R) May/95 Headers for Hazardolau Locations (R) May/96 Headers filter (R) May/96 Headers and Controls (M) May/98 Liter Systems (M) May/99 Deckaged Chillers (M) Jun/158 Headers filter (M) May/103 Head Fransfer Coll (R) May/86 Headers filter (M) May/103 Headers filter (M) May/103 Headers filter (M) May/103 Headers filter (M) May/104 Headers filter (M) May/104 Headers filter (M) May/105 Headers filter (M) Headers filter	Vacking Material for Contacting Towers (P) April / Apr	Gas Picting (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heatlers (R).	Jun/116 Jul/76 Jan/88 Jan/90	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M).	Aug/8 Sep/9 Sep/11
Hearlers for Hazardous Locations (R)	April Adaptical for Contacting Towers (P). April Adaptical Coupled Pump (R). April 10 Control Coupled Pump (R). April 10 Control Control Coupled Pump (R). April 10 April 10 Control Coupled Pump (R). April 10 Control Coupled	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaclers (N)	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101	Piciting Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Pholoresist Composition (P). Spray Booth Masking (R).	Sep/9 Sep/9 Sep/19 Sep/19 Sep/19 Nov/19
Inter Bogs (R)	cacking Material for Contacting Towers (P). April Apprelia Coupled Pump (R). April Intralino (M). April April Intralino system (M). April April Intralino systems (M). April Inter Press Cloth Arrangement (P). Mayyil	Gas Picting (P) Low Pressure Deposition (P) 4 HEATING & COOLING 5 Temperature Control (R) Immersion Heaters (M) Immersion Heaters (M) Immersion Heaters (M)	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Fab/112	Piciting Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Pholoresist Composition (P). Spray Booth Masking (R).	Sep/9 Sep/9 Sep/19 Sep/19 Sep/19 Nov/19
ealless Pump (R). May/95 Immersion Headers (M) Apr/114 Evewatering Pittler (R). May/96 Headers and Controls (M) May/102 Vibrating Pump (R). May/98 Lide Filtering (R) May/99 Lide Filter Evename (M) May/103 Lider System (M) May/103 Lating Filter (M) May/103 Head Transfer Coll (R) May/86 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/88 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/8 Lating Filter (M) May/103 Head Transfer Coll (R) May/103 Lating Filter (M) May	cacking Material for Contacting Towers (P) April Magnetic Coupled Pump (R)	Gas Picting (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heacters (R) Immersion Heacters (M) Immersion Heacter Shut-Off (R) Heaters for Hazardous Localitons (R)	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/97	Picifing Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R).	Sep/9 Sep/9 Sep/19 Sep/19 Sep/19 Nov/19
Di Water Haorting System (R) Jun/138 Media Seporator (R) Febt/1	Cocking Material for Contacting Towers (P) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Pump (R) Magnet	Gas Piating (P) Uw Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (R) Immersion Heaters (M) Heaters for Hazardous Locations (R) Immersion Heaters (R)	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/97 Mar/105	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable inks (R). Solder Mask and Legend ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). MASE PINISHING	Aug/8 Sep/9 Sep/14 Sep/14 Sep/12 Nov/14
Di Water Haorting System (R) Jun/138 Media Seporator (R) Febt/1	acking Material for Contacting Towers (P). April Appella Coupled Pump (R). April Cartridge Filters (R). April Membrane Filtration (R). April Mitratilitation System (M). April Membrane Filtration (M). April Membrane Filtration (M). April Mitration Systems (M). Mayil Mitter Press Cloth Arrangement (P). Mayil Miter Press (P). Mayil Miter Press (P). Mayil Miter Press (P). Mayil Mitration (R). Mayil May	Gas Pioting (P) Low Pressure Deposition (P) 4 HEATING & COOLING 5 Temperature Control (R) Immersion Heaters (R) Immersion Heaters (M) Heaters for Hazardous Locations (R) Immersion Heaters (R) Immersion Heaters (R)	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/105 Apr/114	Picifing Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Melal Caps and Plugs (R). MASE FINIERING. Centrity and Installar (R).	Sep/1 Sep/1 Sep/1 Sep/1 Sep/1 Sep/1 Sep/1 Sep/1 Sep/1
lifer Systems (M) May/103 Iding Ritler (M) I	acking Material for Contacting Towers (P). April Agnetic Coupled Pump (R). April Contridge Filters (R). April Membrane Filtration (R). April Membrane Filtration (R). April Membrane Filtration (M). May Membrane Filter System. April May Miller Press Cloth Arrangement (P). May Miller Press (P). May Membrane Filtration (R). May Mewatering Filter (R). May May Membrane Filtration (M). May Membrane Filtration	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (M). Immersion Heater Shut-Off (R). Immersion Heater Shut-Off (R). Immersion Heater Shut-Off (R). Immersion Heaters (M). Immersion Heaters (M). Heaters and Controls (M).	Jun/116 Jun/16 Jun/90 Jun/101 Feb/112 Man/97 Man/105 Apr/114 May/102	Picifing Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Melal Caps and Plugs (R). MASE FINIERING. Centrity and Injesting (R).	Aug/8 Sep/9 Sep/1 Sep/1 Sep/1 Nov/1 Dec/8
Idating Filter (M)	cicking Material for Contacting Towers (P) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Magne	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (R) Immersion Heaters (M) Immersion Heaters (M) Immersion Heaters (R) I	Jun/416 Jul/76 Jan/88 Jan/90 Jan/401 Feb/142 Mar/97 Mar/105 Apr/114 May/402 Jun/128	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inla (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). MALE FINISHING. Centritugal Finishing (R). Vibratiny Screen Separators (R).	Aug/8 Sep/12 Sep/14 Sep/14 Nov/14 Dec/8 Jan/8 Feb/14
quids/Solids Separation (M). May/403 refrical Leaf Filter (M). May/404 refrical Leaf Filter (M). May/405 refrical Leaf Filter (M). Nov/422 refrical Filter (M). Nov/424 refrical Leaf Filter (M). Nov/422 refrical Filter (M). Nov/424 refrical Leaf Filter (M). Nov/422 refrical Filter (M). Nov/422 refrical Filter (M). Nov/422 refrical Filter (M). Nov/424 refrical Leaf Filter (M). Nov/422 refrical Filter (M). Nov/424 refrical Leaf Filter (M). Nov/424 refrical Enter (acking Material for Contacting Towers (P) April Magnetic Coupled Pump (R) Apri	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (M) Heaters for Hazardous Locations (R) Immersion Heaters (R) Heaters for Hazardous Locations (R) Immersion Heaters (M) Heaters and Controls (M) Heaters and Controls (M) Heater Sandrous System (R) D I Water Heating System (R)	Jun/16 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/105 Apr/114 May/102 Jun/128 Jun/138	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inits (R). Solder Mask and Legend ink (M). Photoresist Composition (P). Spiray Booth Masking (R). Metal Caps and Plugs (R). MASE FINIERING. Centifugal Finishing (R). Vibrating Finishing (R). Vibrating Screen Separators (R). Medial Separator (R).	Aug/8 Sep/14 Sep/14 Sep/14 Nov/14 Dec/8 Jan/8 Feb/14 Feb/14
rum Pumps (M) May/405 immersion Heacters (M) Nov/422 Vibrating Apparatus (P) Mar/4 Iter Gauges (R) Jun/434 Cable Conduit System (R) Dec/91 Vibratory Deburring (R) Apr/4 Iter Fess Frames (R) Jun/446 Hectres (M) Dec/90 Mass Finishing Process (P) May/5 ump Pump (R) Jun/451 Hot Die CoATINGS Feb/1432 Vibratory Finisher (R) May/5 ellows Melering Pumps (R) Jun/454 Hot Die Galvanizing (M) Feb/1432 Vibratory Finishing Device (P) Jun/4	cacking Material for Contacting Towers (P) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Pump (R) April Magnet	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (R) Immersion Heaters (M) Immersion Heaters (M) Immersion Heaters (R) I	Jun/146 Jul/76 Jan/88 .Jan/90 .Jan/101 Feb1/12 .Mar/97 Mar/105 .Apr/114 May/102 .Jun/128 .Jun/138	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable inks (R). Solder Mask and Legend ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). MASE PINIENTING Centrifugal Finishing (R). Vibratory Finishing (M).	Aug/8 Sep/9 Sep/14 Sep/14 Nov/14 Dec/8 Jan/8 Feb/14 Feb/15 Feb/15
rum Pumps (M) May/405 immersion Heacters (M) Nov/422 Vibrating Apparatus (P) Mar/4 Iter Gauges (R) Jun/434 Cable Conduit System (R) Dec/91 Vibratory Deburring (R) Apr/4 Iter Fess Frames (R) Jun/446 Hectres (M) Dec/90 Mass Finishing Process (P) May/5 ump Pump (R) Jun/451 Hot Die CoATINGS Feb/1432 Vibratory Finisher (R) May/5 ellows Melering Pumps (R) Jun/454 Hot Die Galvanizing (M) Feb/1432 Vibratory Finishing Device (P) Jun/4	cacking Material for Contacting Towers (P). April Appella Coupled Pump (R). April Cartridge Filters (R). April Membrane Filtration (R). April Membrane Filtration (R). April Membrane Filtration (M). Mayil Membrane Filter (R). Mayil Membrane Filter (R). Mayil Membrane Filter (R). Mayil Membrane Filter (R). Mayil Medical Filtering (R). Mayil Mel Filter (M). Mayil Methrane Filter (R). Mayil Membrane Filter (M). Mayil	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (M) Heaters for Hazardous Locations (R) Immersion Heaters (R) Heaters for Hazardous Locations (R) Immersion Heaters (R) Heaters and Controls (M) Heat Exchanger for High-Solids Paint (R) DI Water Heating System (R) Packaged Chillers (M) Heat Transfer Coli (R)	Jun/146 Jul/76 Jan/88 Jan/90 Jan/101 Feb/142 Mar/97 Mar/105 Apr/114 May/102 Jun/128 Jun/138 Jun/138	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inits (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spiray Booth Masking (R). Metal Caps and Plugs (R). Male FINIERING. Centitugal Finishing (R). Vibratiny Finishing (R). Vibrating Screen Separators (R). Media Separator (R). Vibratory Finishing (M). Vibratory Finishing (M). Vibratory Finishing (M). Vibratory Finishing (M). Chamber for Mass Finishing (P).	Aug/8 Sep/9 Sep/14 Sep/14 Dec/8 Nov/14 Dec/8 Jan/8 Feb/14 Feb/14 Feb/14 Feb/14 Feb/14
Cable Conduit System (R) Dec/81 Vibratory Deburring (R) April Vibratory Enishing (M) Mayl Vibratory Enishing Device (F) Junil Vibratory Enishing Device (F) Vibratory	acking Material for Contacting Towers (P). April dagnetic Coupled Pump (R). April ap	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (R). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (R). Immersion Heaters (R). Immersion Heaters (R). Immersion Heaters (M). Heaters and Controls (M). Heat Exchanger for High-Solids Paint (R). DI Water Heating System (R). Packaged Chillers (M). Heat Transfer Coll (R). Plating Bath Cooling (R).	Jun/16 Jul/76 Jan/88 Jan/90 Jan/101 Feb/142 Mar/97 Mar/105 Apr/144 May/102 Jun/128 Jun/154 Aug/88 Sep/96	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inits (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spiray Booth Masking (R). Metal Caps and Plugs (R). Male FINIERING. Centitugal Finishing (R). Vibratiny Finishing (R). Vibrating Screen Separators (R). Media Separator (R). Vibratory Finishing (M). Vibratory Finishing (M). Vibratory Finishing (M). Vibratory Finishing (M). Chamber for Mass Finishing (P).	Aug/s Sep/n Sep/n Sep/n Sep/n Nov/n Dec/n Jan/n Feb/n Feb/n Feb/n Feb/n
Iller Gauges (R)	cacking Material for Contacting Towers (P). April Appril Appril Cartridge Filters (R). April Introllitation System (M). April Inter Order (P). April Inter Press Cloth Arrangement (P). Mayil Inter Press (P). Mayil In	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (R). Immersion Heaters (M) Immersion Heaters (R). Imme	Jun/146 Jul/76 Jan/88 Jan/90 Jan/101 Fab/112 Mar/97 Mar/105 Apr/144 May/102 Jun/138 Jun/138 Jun/154 Aug/88 Sep/96	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Mass FINISHING. Centrifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centrifugal Disc Finishing (P). Centrifugal Disc Finishing (P). Portable Compound System (R). Vibratory Apopration (R).	Aug/8 Sep/4 Sep/4 Sep/4 Sep/4 Sep/4 Dec/8 Jan/6 Feb/4 Feb/4 Feb/4 Mar/4 Mar/4 Mar/4
Illier Press Frames (R)	cacking Material for Contacting Towers (P). April Appril Appril Appril Contridge Filters (R). April Ap	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (M).	Jun/146 Jul/76 Jan/88 Jan/90 Jan/101 Feb) 112 Mar/97 Mar/105 Apr/114 May/102 Jun/128 Jun/138 Jun/138 Jun/138 Jun/138 Jun/154 Aug/88 Sep/96 Cict/82 Nov/122	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Mass FINISHING. Centrifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centrifugal Disc Finishing (P). Centrifugal Disc Finishing (P). Portable Compound System (R). Vibratory Apopration (R).	Aug/8 Sep/4 Sep/4 Sep/4 Sep/4 Sep/4 Dec/8 Jan/6 Feb/4 Feb/4 Feb/4 Mar/4 Mar/4 Mar/4
ump Pump (R). Jun'148 HOT DIP COATINGS Tumbling Initi (R). Tumbling Init (R). Maryl eth-Priming Pumps (R). Jun'151 Technical Developments in 1984 Feb/192 Vibratory Finisher (M). May/11 ellows Melering Pumps (M). Jun'1454 Hot Dip Galvanizing (M). Feb/132 Vibratory Finishing Device (P). Jun'14	cacking Material for Contacting Towers (P). April Appella Coupled Pump (R). April Ap	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (R) Immersion Heaters (M) Immersion Heaters (M) Immersion Heaters (R) I	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/105 Apr/114 May/102 Jun/138 Jun/138 Jun/138 Sep/96 Dar/82 Nov/122	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Malls FINISHING. Centifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Disa Finishing (P). Centifugal Disa Finishing (R). Vibratory Finishing (M). Vibratory Finishing (R). Vibratory Finishing (R). Vibratory Deburring (R). Vibratory Deburring (R). Vibratory Deburring (R).	Aug/l Sept/1 Sept/1 Sept/1 Sept/1 Nov/1 Dec/l Jan/l Febt/1 Febt/1 Febt/1 Mart/1 Mart/1 Apt/1
Helious Melering Pumps (R). Jun/151 Technical Developments in 1984 Feb/19 Vibratory Finisher (M). May/19 Vibratory Finisher (M). May/19 Vibratory Finisher (M). Jun/19 Vibratory Finisher	acking Material for Contacting Towers (P). April Appella Coupled Pump (R). April Cartridge Filters (R). April Interditration (R). April Interditration System (M). Mayil Interditration System (M). Mayil Interditration System (M). Mayil Interditration System (M). Mayil Interditration (R). Mayil Interditration (M). Junil Interditrat	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (R). Imm	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/105 Apr/114 May/102 Jun/138 Jun/138 Jun/138 Sep/96 Dar/82 Nov/122	Picting Resists and Masks (R). Through-Hole Plugs (R). Screenable Inks (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Melal Caps and Plugs (R). MASE PINIERING Centifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Disc Finishing (P). Portable Compound System (R). Vibratory Pinishing (R). Vibratory Finishing (R).	Aug/l Sep/4 Sep/1 Sep/1 Sep/1 Sep/1 Nov/1 Dec/l Jan/, Feb/1 Feb/1 Feb/1 Mar/1 Mar/1 Apr/1 Apr/1
	cacking Material for Contacting Towers (P). April Appril Apprel Appril A	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (M). Immersion Heaters (M).	Jun/116 Jul/76 Jan/88 Jan/90 Jan/101 Feb/112 Mar/105 Apr/114 May/102 Jun/138 Jun/138 Jun/138 Sep/96 Dar/82 Nov/122	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Malls FINISHING. Centifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Dise Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Dise Finishing (R). Vibratory Deburring (R). Vibratory Deburring (R). Vibratory Pinishing (M). Mass Finishing Process (P). Turnbling Unit (R).	Aug/t Sep/1 Sep/1 Sep/1 Sep/1 Nov/1 Dec/t Feb/1 Feb/1 Feb/1 Feb/1 Mar/t Mar/t Apr/1 Mar/t Mar/t
	cacking Material for Contacting Towers (P). April Appril Appril Cartridge Filters (R). April Introllitation System (M). April Inter Press Cloth Arrangement (P). Mayil Inter Press (M). Mayil Inter Press (R). Junil Inter Press Frames (R	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (M)	Jun/146 Jul/76 Jan/88 Jan/90 Jan/101 Feb/142 Mar/105 Apr/114 May/102 Jun/128 Jun/128 Jun/138 Jun/138 Sep/96 Dct/82 Dec/81 Dec/90	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Malls FINISHING. Centifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Dise Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centifugal Dise Finishing (R). Vibratory Deburring (R). Vibratory Deburring (R). Vibratory Pinishing (M). Mass Finishing Process (P). Turnbling Unit (R).	Aug/t Sep/1 Sep/1 Sep/1 Sep/1 Nov/1 Dec/t Feb/1 Feb/1 Feb/1 Feb/1 Mar/t Mar/t Apr/1 Mar/t Mar/t
Copper Filtration Unit (M)	Pocking Material for Contacting Towers (P) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Coupled Pump (R) April Magnetic Pump (R) April Magnet	Gas Piating (P) Low Pressure Deposition (P) HEATING & COOLING Temperature Control (R) Immersion Heaters (R) I	Jun/146 Jul/76 Jan/88 Jan/90 Jan/101 Feb/142 Mar/105 Apr/114 May/102 Jun/128 Jun/128 Jun/138 Jun/138 Sep/96 Dct//82 Dec/81 Dec/90	Picting Resists and Masks (R). Through-Hole Plugs (R). Screenable Inits (R). Solder Mask and Legend ink (M). Photoresist Composition (P). Spiray Booth Masking (R). Metal Caps and Plugs (R). Male FINIERING. Centritugal Finishing (R). Vibratiny Finishing (R). Chamber for Mass Finishing (P). Centritugal Disc Finishing (R). Portable Compound System (R). Vibrating Apparatus (R). Vibrating Apparatus (R). Vibrating Pinishing (M). Mass Finishing Process (P). Tumbling Unit (R). Vibratory Finishing (M). Vibratory Finishing (P). Vibratory Finishing (M). Vibratory Finishing (M). Vibratory Finishing Device (P).	Aug/8 Sep/9 Sep/19 Sep/19 Sep/14 Sep/14 Nov/11 Dec/8 Jan/8 Feb/14 Feb/14 Feb/14 Feb/14 Feb/14 Mar/14 Apr/14 Apr/14 Mar/14 Mar/1
	Pocking Material for Contacting Towers (P) April Mognetic Coupled Pump (R) April Mognetic Coupled Pump (R) April Mognetic Coupled Pump (R) April Mognetic Pump (R) April Mognet	Gas Piating (P) Low Pressure Deposition (P) HEATING & COCLING Temperature Control (R) Immersion Heaters (M) Heaters for Hazardous Locations (R) Immersion Heaters (R) Heaters for Hazardous Locations (R) Immersion Heaters (R) Heaters for Hazardous Locations (R) Heaters for Hazardous Locations (R) Heaters and Controls (M) Heat Exchanger for High-Solids Paint (R) DI Water Heating System (R) Packaged Chillers (M) Heat Transfer Coll (R) Floting Bath Cooling (R) Teffon Heat Exchangers (R) Immersion Heaters (M) Cable Conduit System (R) Process Air Heaters (M) Hot Dip CoAtinos Technical Developments in 1984 Hot Dip Galvanizing (M)	Jun/116 Jul/76 Jul/76 Jul/76 Jun/88 Jun/90 Jun/101 Feb/112 Mary/102 Jun/128 Jun/128 Jun/138 Jun/138 Jun/138 Jun/154 Aug/88 Sep/96 Dar/82 Nov/122 Dec/81 Dec/90 Feb/19 Feb/132	Plating Resists and Masks (R). Through-Hole Plugs (R). Screenable Inls (R). Solder Mask and Legend Ink (M). Photoresist Composition (P). Spray Booth Masking (R). Metal Caps and Plugs (R). Mass FINISHING. Centrifugal Finishing (R). Vibratory Finishing (R). Vibratory Finishing (M). Chamber for Mass Finishing (P). Centrifugal Isle Finishing (P). Centrifugal Isle Finishing (P). Vibratory Finishing (M). Vibratory Deburring (R). Vibratory Deburring (R). Vibratory Pinishing (M). Mass Finishing Process (P). Tumbing Unit (R). Vibratory Finishing (M). Vibratory Finishing Process (P). Tumbing Unit (R). Vibratory Finishing Device (P). Vibratory Finishing Device (P). Vibratory Finishing Device (P). Vibratory Finishing Device (P). Vibratory Finishing (M).	Aug/8 Sep/9 Sep/9 Sep/19 Sep/19 Sep/11 Sep/12 Nov/14 Dec/8 Jan/8 Feb/14 Feb/14 Feb/14 Feb/14 Mar/14
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